

# PATENT ABSTRACTS OF JAPAN

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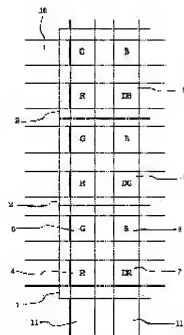
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## (54) DISPLAY DEVICE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To make granular impression and sparseness inconspicuous in a display device utilizing an error diffusion method by arranging pixels of small light quantity (low luminance pixels) in addition to ordinary pixels.

**SOLUTION:** Pixels of display means comprises ordinary pixels and low luminance pixels with less than a half of light quantity when turned on. For example, taking three groups, consisting of a pixel group 1 comprising R, G, B pixels (ordinary pixels) 4, 5, 6 with standard light quantity and an R pixel 7 with one third of the standard light quantity, a pixel group 2 comprising standard R, G, B pixels 4, 5, 6 and a G pixel 8 with one third of the light quantity, and a pixel group 3 comprising standard R, G, B pixel 4, 5, 6 and a B pixel 9 with one third of the light quantity, as the minimum unit and making it recur as required toward both of the common and segment directions the desired number of pixels are obtained. Where granular impression or sparseness is conspicuous, only pixels of small light quantity are turned on so as to make them inconspicuous.



## LEGAL STATUS

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